

**Amendments to the Claims:**

1. (Cancelled)

2. (Currently amended) A system for amplifying a plurality of target nucleic acids, comprising:

(a) a first solid support wherein

(1) the surface of said first solid support comprises a plurality of derivatized areas;

(2) at least one [[a]] releasable forward primer and at least one releasable reverse primer for each target nucleic acid or [[a]] at least one releasable sequence complementary to said forward and said reverse primers [[is]] are immobilized on a derivatized area of the first solid support, wherein said releasable primers or releasable sequences [[is]] are adapted to be released ~~before, during or after~~ an amplification reaction; and

(b) a second solid support wherein said second solid support comprises a plurality of wells and each well corresponds to [[a]] at least one forward and at least one reverse primer for each target nucleic acid.

3. (Cancelled)

4. (Currently Amended) The system according to ~~any one of the~~ claim[[s]] 2[[-3]], wherein said plurality of target nucleic acids are a plurality of subsequences of a polynucleotide.

5. (Currently Amended) The system of ~~any one of~~ claim[[s]] 2[[-3]], wherein said first or second solid support is glass.

6. (Currently Amended) The system according to ~~any one of the~~ claim[[s]] 2[[-3]] wherein said immobilization is covalent.

7. (Currently Amended) The system according to ~~any one of the~~ claim[[s]] 2[[-3]] wherein said immobilization is non-covalent.

8. (Currently Amended) The system according to claim ~~[[3]]~~ 2 wherein said primers ~~[[is]]~~ are covalently linked to a cleavable moiety.

9. (Original) The system according to claim 8 wherein said cleavable moiety is cleavable by photolysis.

10. (Currently Amended) The system according to ~~any one of the claim~~ ~~[[s]]~~ 2 ~~[[ -3]]~~ wherein the surface of said first solid support comprises a plurality of hydrophilic areas.

11. (Currently Amended) The system according to ~~any one of the claim~~ ~~[[s]]~~ 2 ~~[[ -3]]~~ wherein the density of the derivatized areas on said first solid support is between about 10 to 10,000 per  $\text{cm}^2$ .

12. (Currently Amended) The system according to ~~any one of the claim~~ ~~[[s]]~~ 2 ~~[[ -3]]~~ wherein the size of said derivatized area on said first solid support is between about  $10^{-3}$  to  $5 \text{ mm}^2$ .

13. (Currently Amended) The system according to ~~any one of the claim~~ ~~[[s]]~~ 2 ~~[[ -3]]~~ wherein the number of derivatized areas on said first solid support is between about 10 to 500,000.

14. (Cancelled)

15. (Currently Amended) The solid support of claim ~~[[1]]~~ 2 wherein said releasable primer is releasable by photolysis.